

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Martin BOSSERT et al.

Application No.: Unassigned

Group Art Unit: Unassigned

Filed: October 17, 2005

Examiner: Unknown

For: METHOD AND TRANSMITTER FOR TRANSMITTING DATA IN A MULTI-CARRIER  
SYSTEM VIA A NUMBER OF TRANSMITTING ANTENNAS

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure provisions of 37 CFR § 1.56, there is hereby provided certain information which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the subject application.

1. Enclosures accompanying this Information Disclosure Statement are:

- 1a. ☒ Form PTO-1449.
- 1b. ☒ Copy(ies) of IDS citation(s), except for U.S. Patents and U.S. Patent Application publications.
- 1c. ☒ English language copy of a communication(s) from a foreign Patent Office or a PCT International Search Report.
- 1d. ☐ English language translation (complete, Abstract or relevant portion(s)) attached to non-English language publications as indicated on the attached Form PTO-1449.
- 1e. ☐ Explanations of Relevancy of References (ATTACHMENT 1(e), hereto) for providing a concise explanation of non-English publications.

2. ☒ In accordance with 37 CFR § 1.98, a concise explanation of what is presently understood to be the relevance of each non-English language publication is

(Check appropriate Items 2a, 2b, 2c and/or 2d)

- 2a. ☒ satisfied for the non-English language publication(s) cited on the enclosed "English language version of the search report or action which indicates the degree of relevance found by the foreign office". (See MPEP § 609, Minimum Requirements for an Information Disclosure Statement, Part A(3): Concise Explanation of Relevance, 8th Ed., Rev. 2)

- 2b. ☒ set forth in the application.
- 2c. ☐ satisfied for the non-English language publication(s) indicated on the attached PTO-1449 as having an English language translation (complete, Abstract or relevant portion(s)) attached thereto.
- 2d. ☐ enclosed as Attachment 1(e), hereto.
3. No admission is made that the information cited in this Statement is, or is considered to be, material to patentability nor a representation that a search has been made (other than search report(s) from a counterpart foreign application or a PCT International Search Report, if submitted herewith). 37 CFR §§ 1.97(g) and (h).

Respectfully submitted,

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FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO. <b>1454.1629</b>	APPLICATION NO. <b>PCT/EP2004/00 2773</b>
<b>INFORMATION DISCLOSURE STATEMENT</b> <i>(Use several sheets if necessary)</i>		FIRST NAMED INVENTOR <b>MARTIN BOSSERT ET AL.</b>	
		FILING DATE <b>October 17, 2005</b>	GROUP ART UNIT <b>Unassigned</b>

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
AA	2001/003362 3	10-25-2001	Hosur			
AB						
AC						
AD						
AF						

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NO.	DATE	COUNTRY	TRANSLATION YES NO	ABSTRACT
AG				

**OTHER REFERENCES (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)**

EXAMINER	REFERENCE	TRANSLATION YES NO
AH	Y.G. Li, J. C. CHUANG, N.R. SOLLENBERGER: "TRANSMITTER DIVERSITY FOR OFDM SYSTEMS AND ITS IMPACT ON HIGH-RATE DATA WIRELESS NETWORKS" pp. 1233-1243	
AI	A. DAMMANN, S. KAISER: "LOW COMPLEX STANDARD CONFORMABLE ANTENNA DIVERSITY TECHNIQUES FOR OFDM SYSTEMS AND ITS APPLICATION TO THE DVB-T SYSTEMS" (total pages 8)	
AJ	S.M. ALAMOUTI: "A SIMPLE TRANSMIT DIVERSITY TECHNIQUE FOR WIRELESS COMMUNICATIONS" pp. 1451-1458	
AK	M. BOSSERT ET AL., "ON CYCLIC DELAY DIVERSITY IN OFDM BASED TRANSMISSION SCHEMES" pp. 1-5	
AL	J. KWAK: "PHYSICAL LAYER ARQ: NEW PROPOSED FEATURE FOR 802.16AB" pp. 1-18	
AM	V. TAROKH, H. JAFARKHANI, R. CALDERBANK, "SPACE-TIME BLOCK CODING FOR WIRELESS COMMUNICATIONS: PERFORMANCE RESULTS" pp. 451-459	
EXAMINER		DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		